



**Application No. 10/731,205**

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### **SUMMARY OF THE INVENTION**

What makes this invention unique is that it is modular which allows users or installers to custom design the entertainment system to meet a specific need or want as well as allow easy future upgrades to new media and broadcast types along with a voice interactive system control interface.

The S-Ray automotive entertainment system takes advantage of all available media and broadcast services and combines them into a double-din, w/LCD touch screen option, in dash system for the vehicle.

The device plays and records DVD, DVD/R, Flash storage, CD-Rom and CD/RW media.

It receives and allows the user to record from, AM/FM/XM and TV broadcast as well as from one type of media to another using an onboard hard disc drive storage system. The system is modular which allows custom easy future upgrades to new media and broadcast types along with a voice interactive system control interface.

### **KEY POINTS**

User interchangeable card modules

Continuously upgradeable

128 bit wide buss architecture allows for future processor upgrades

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**All components reside on plug in card modules**

### **Description of Drawings**

**Figure 1 – Proposed Interchangeable faceplate design with color LCD screen.**

**Figure 2. – Shows the proposed lay out of the mainboard that all card/modules will plug in to.**

**Figure 3 - Demonstrates how the different modules will plug in to the main board.**

**Figure 4 – Illustrates possible pc run layouts for the mainboards construction.**

**Figure 5 – Shows the populated rear panel connections for the different modules installed.**

**Figure 6 – Provides an overall outside view of where the various components will be mounted within the unit.**

**Figure 7 – Schematic Diagram of System**